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## RAW SEQUENCE LISTING

DATE: 01/18/2002

PATENT APPLICATION: US/10/020,269

TIME: 09:20:29

Input Set : N:\Crf3\RULE60\10020269.raw

Output Set: N:\CRF3\01182002\J020269.raw

1 <110> APPLICANT: Mitchell, William M.  
 2 Stratton, Charles W.  
 3 <120> TITLE OF INVENTION: IDENTIFICATION OF ANTIGENIC PEPTIDE  
 4 SEQUENCES  
 5 <130> FILE REFERENCE: VDB98-01  
 6 <140> CURRENT APPLICATION NUMBER: 10/020,269  
 7 <141> CURRENT FILING DATE: 2001-12-14  
 8 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/025,596  
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 10 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/023,921  
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 12 <160> NUMBER OF SEQ ID NOS: 118  
 13 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
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 16 <211> LENGTH: 14  
 17 <212> TYPE: PRT  
 18 <213> ORGANISM: Chlamydia pneumoniae  
 19 <400> SEQUENCE: 1  
 20 Lys Pro Lys Glu Ser Lys Thr Asp Ser Val Glu Arg Trp Ser  
 21 1 5 10  
 23 <210> SEQ ID NO: 2  
 24 <211> LENGTH: 11  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Chlamydia pneumoniae  
 27 <400> SEQUENCE: 2  
 28 Ser Ser Asn Ser Ser Ser Ser Thr Ser Arg Ser  
 29 1 5 10  
 31 <210> SEQ ID NO: 3  
 32 <211> LENGTH: 8  
 33 <212> TYPE: PRT  
 34 <213> ORGANISM: Chlamydia pneumoniae  
 35 <400> SEQUENCE: 3  
 36 Gly Ser Lys Gln Gln Gly Ser Ser  
 37 1 5  
 39 <210> SEQ ID NO: 4  
 40 <211> LENGTH: 8  
 41 <212> TYPE: PRT  
 42 <213> ORGANISM: Chlamydia pneumoniae  
 43 <400> SEQUENCE: 4  
 44 Gly Lys Ala Gly Gln Gln Gln Gly  
 45 1 5  
 47 <210> SEQ ID NO: 5  
 48 <211> LENGTH: 9

ENTERED

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49 <212> TYPE: PRT
50 <213> ORGANISM: Chlamydia pneumoniae
51 <400> SEQUENCE: 5
52     Pro Ser Glu Thr Ser Thr Thr Glu Lys
53         1                               5
55 <210> SEQ ID NO: 6
56 <211> LENGTH: 8
57 <212> TYPE: PRT
58 <213> ORGANISM: Chlamydia pneumoniae
59 <400> SEQUENCE: 6
60     Lys Pro Ala Asp Gly Ser Asp Val
61         1                               5
63 <210> SEQ ID NO: 7
64 <211> LENGTH: 11
65 <212> TYPE: PRT
66 <213> ORGANISM: Chlamydia pneumoniae
67 <400> SEQUENCE: 7
68     Asn Gly Gln Lys Lys Pro Leu Tyr Leu Tyr Gly
69         1                               5               10
71 <210> SEQ ID NO: 8
72 <211> LENGTH: 19
73 <212> TYPE: PRT
74 <213> ORGANISM: Chlamydia pneumoniae
75 <400> SEQUENCE: 8
76     Ser Asp Val Pro Asn Pro Gly Thr Thr Val Gly Gly Ser Lys Gln Gln
77         1                               5               10               15
78     Gly Ser Ser
80 <210> SEQ ID NO: 9
81 <211> LENGTH: 15
82 <212> TYPE: PRT
83 <213> ORGANISM: Chlamydia pneumoniae
84 <400> SEQUENCE: 9
85     His Met Phe Asn Thr Glu Asn Pro Asp Ser Gln Ala Ala Gln Gln
86         1                               5               10               15
88 <210> SEQ ID NO: 10
89 <211> LENGTH: 9
90 <212> TYPE: PRT
91 <213> ORGANISM: Chlamydia pneumoniae
92 <400> SEQUENCE: 10
93     Asp Asp Ala Glu Asn Glu Thr Ala Ser
94         1                               5
96 <210> SEQ ID NO: 11
97 <211> LENGTH: 16
98 <212> TYPE: PRT
99 <213> ORGANISM: Chlamydia pneumoniae
100 <400> SEQUENCE: 11
101     Lys Glu Glu Asp Lys Lys Arg Arg Glu Ala Ser Asp Ala Lys Asn Glu
102         1                               5               10               15
104 <210> SEQ ID NO: 12

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105 <211> LENGTH: 16
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 12
109     Ala Glu Glu Asp Arg Arg Lys Lys Glu Arg Val Glu Ala Val Asn Met
110         1             5             10             15
112 <210> SEQ ID NO: 13
113 <211> LENGTH: 22
114 <212> TYPE: PRT
115 <213> ORGANISM: Chlamydia pneumoniae
116 <400> SEQUENCE: 13
117     Lys Lys His Ser Phe Ser Thr Lys Pro Pro Ser Asn Asn Gly Ser Ser
118         1             5             10             15
119     Glu Asp His Ile Glu Glu
120             20
122 <210> SEQ ID NO: 14
123 <211> LENGTH: 14
124 <212> TYPE: PRT
125 <213> ORGANISM: Chlamydia pneumoniae
126 <400> SEQUENCE: 14
127     Tyr Thr Val Thr Ser Gly Ser Lys Gly Asp Ala Val Phe Glu
128         1             5             10
130 <210> SEQ ID NO: 15
131 <211> LENGTH: 11
132 <212> TYPE: PRT
133 <213> ORGANISM: Chlamydia pneumoniae
134 <400> SEQUENCE: 15
135     Thr Ser Ser Glu Gly Thr Arg Thr Thr Pro Ser
136         1             5             10
138 <210> SEQ ID NO: 16
139 <211> LENGTH: 8
140 <212> TYPE: PRT
141 <213> ORGANISM: Chlamydia pneumoniae
142 <400> SEQUENCE: 16
143     Ser Glu His Lys Lys Ser Ser Lys
144         1             5
146 <210> SEQ ID NO: 17
147 <211> LENGTH: 14
148 <212> TYPE: PRT
149 <213> ORGANISM: Chlamydia pneumoniae
150 <400> SEQUENCE: 17
151     Lys Asp Val Ala Ser Gly Lys Glu Gln Lys Ile Arg Ile Glu
152         1             5             10
154 <210> SEQ ID NO: 18
155 <211> LENGTH: 16
156 <212> TYPE: PRT
157 <213> ORGANISM: Chlamydia pneumoniae
158 <400> SEQUENCE: 18
159     Glu Arg Asn Thr Thr Ile Pro Thr Gln Lys Lys Gln Ile Phe Ser Thr

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160      1      5      10      15
162 <210> SEQ ID NO: 19
163 <211> LENGTH: 16
164 <212> TYPE: PRT
165 <213> ORGANISM: Chlamydia pneumoniae
166 <400> SEQUENCE: 19
167      Tyr Phe Asn Asp Ser Gln Arg Ala Ser Ser Thr Lys Asp Ala Gly Arg
168      1      5      10      15
170 <210> SEQ ID NO: 20
171 <211> LENGTH: 15
172 <212> TYPE: PRT
173 <213> ORGANISM: Chlamydia pneumoniae
174 <400> SEQUENCE: 20
175      Glu Glu Phe Lys Lys Gln Glu Gly Ile Asp Leu Ser Lys Asp Asn
176      1      5      10      15
178 <210> SEQ ID NO: 21
179 <211> LENGTH: 12
180 <212> TYPE: PRT
181 <213> ORGANISM: Chlamydia pneumoniae
182 <400> SEQUENCE: 21
183      Asn Ala Lys Gly Gly Pro Asn Ile Asn Thr Glu Asp
184      1      5      10
186 <210> SEQ ID NO: 22
187 <211> LENGTH: 16
188 <212> TYPE: PRT
189 <213> ORGANISM: Chlamydia pneumoniae
190 <400> SEQUENCE: 22
191      Gly Glu Arg Pro Met Ala Lys Asp Asn Lys Glu Ile Gly Arg Phe Asp
192      1      5      10      15
194 <210> SEQ ID NO: 23
195 <211> LENGTH: 14
196 <212> TYPE: PRT
197 <213> ORGANISM: Chlamydia pneumoniae
198 <400> SEQUENCE: 23
199      Thr Glu Ile Glu Met Lys Glu Lys Lys Asp Arg Val Asp Asp
200      1      5      10
202 <210> SEQ ID NO: 24
203 <211> LENGTH: 14
204 <212> TYPE: PRT
205 <213> ORGANISM: Homo sapiens
206 <400> SEQUENCE: 24
207      Ser Asp Val Glu Val Asn Glu Lys Lys Asp Arg Val Thr Asp
208      1      5      10
210 <210> SEQ ID NO: 25
211 <211> LENGTH: 11
212 <212> TYPE: PRT
213 <213> ORGANISM: Chlamydia pneumoniae
214 <400> SEQUENCE: 25
215      Glu Asp Ser Thr Ser Asp Tyr Asp Lys Glu Lys

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Input Set : N:\Crf3\RULE60\10020269.raw

Output Set: N:\CRF3\01182002\J020269.raw

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216      1      5      10
218 <210> SEQ ID NO: 26
219 <211> LENGTH: 11
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 26
223      Asp Val Thr Thr Ser Glu Tyr Glu Lys Glu Lys
224      1      5      10
226 <210> SEQ ID NO: 27
227 <211> LENGTH: 7
228 <212> TYPE: PRT
229 <213> ORGANISM: Chlamydia pneumoniae
230 <400> SEQUENCE: 27
231      Asp Asp Lys Ser Ser Ser Ala
232      1      5
234 <210> SEQ ID NO: 28
235 <211> LENGTH: 15
236 <212> TYPE: PRT
237 <213> ORGANISM: Chlamydia pneumoniae
238 <400> SEQUENCE: 28
239      Lys Lys Gln Ile Glu Asp Ser Thr Ser Asp Tyr Val Ser Glu Glu
240      1      5      10      15
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243 <211> LENGTH: 12
244 <212> TYPE: PRT
245 <213> ORGANISM: Chlamydia pneumoniae
246 <400> SEQUENCE: 29
247      Ser Ser Tyr Phe Ser Thr Asn Pro Glu Thr Gln Glu
248      1      5      10
250 <210> SEQ ID NO: 30
251 <211> LENGTH: 16
252 <212> TYPE: PRT
253 <213> ORGANISM: Chlamydia pneumoniae
254 <400> SEQUENCE: 30
255      Glu Lys Val Gly Lys Asn Gly Ser Ile Thr Val Glu Glu Ala Asp Lys
256      1      5      10      15
258 <210> SEQ ID NO: 31
259 <211> LENGTH: 15
260 <212> TYPE: PRT
261 <213> ORGANISM: Chlamydia pneumoniae
262 <400> SEQUENCE: 31
263      Ser Lys Thr Ala Asp Lys Ala Gly Asp Gly Thr Thr Thr Ala Thr
264      1      5      10      15
266 <210> SEQ ID NO: 32
267 <211> LENGTH: 10
268 <212> TYPE: PRT
269 <213> ORGANISM: Chlamydia pneumoniae
270 <400> SEQUENCE: 32
271      Lys Arg Glu Glu Glu Glu Ala Thr Ala Arg

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/020,269

DATE: 01/18/2002

TIME: 09:20:30

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Output Set: N:\CRF3\01182002\J020269.raw

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